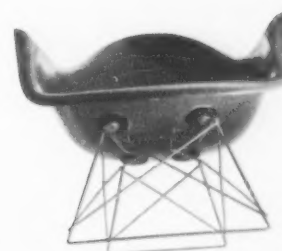
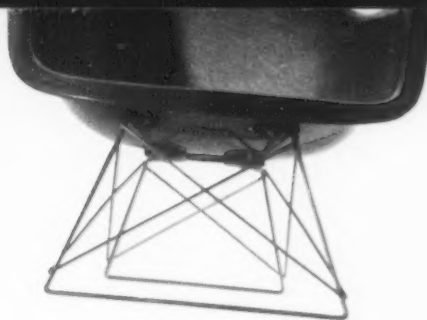


JUL 12 1951



114139



## EVERYDAY ART QUARTERLY

A GUIDE TO WELL DESIGNED PRODUCTS

No. 17 / 25c

WINTER 50-51

WALKER ART CENTER • MINNEAPOLIS

**on the cover**

plastic chair  
designed by Charles Eames  
manufactured by Herman Miller  
35.00

**on page one**

chair  
designed by Alvin Lustig  
manufactured by Paramount Furniture Manufacturing Co.  
165.00

Lightolier floor lamp  
24.75

bench  
designed by George Nelson  
manufactured by Herman Miller  
53.00

14" ivy bowl  
5.50

ash tray  
designed by Edith and Brian Heath  
manufactured by N. S. Gustin Co.  
4.00

slat screen  
manufactured by Tropicraft  
40.00

**correction**

in the fall 1950  
issue, page 14:  
the lamp designed by  
Ralph Rapson  
is manufactured by  
Marianne Willisch  
154 East Erie Street,  
Chicago, Illinois



**THE WALKER ART CENTER** is a progressive museum of the arts. Board of Directors: Justin V. Smith (president), Edgar V. Nash (vice-president), D. S. Defenbacher (secretary/treasurer/museum director), H. Harvard Arnason, E. Hjalmar Bjornson, Winston A. Close, Eleanor Harris, Alice Tenney Mitchell, Fred V. Nash, Susan Rogers Walker, Rolf Ueland, Malcolm M. Willey; Ex-officio: Hon. Eric G. Hoyer, Constance W. Rustad, Archie D. Walker.

**EVERYDAY ART QUARTERLY**  
**A GUIDE TO WELL DESIGNED PRODUCTS**

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Everyday Art in the Magazines	16
Addresses	cover

in the spring-summer,  
a sixty-four page double issue:  
KNIFE, FORK, and SPOON

editorial director  
D. S. DEFENBACHER

associate editors:

WILLIAM M. FRIEDMAN  
CAROL KOTTKE  
MEG BIRCH TORBERT

guest photographer  
ALLEN DOWNS

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by the Walker Art Center



## *useful objects*

*On this and the following pages are photographs of objects from the annual Useful Gifts exhibition at the Walker Art Center. Every year there are some new things that meet good design standards. It is exciting to find them — but in selecting objects for the exhibition we do not feel that mere newness should be an important criterion for inclusion. It is satisfying, too, to find a well designed product continuing to be produced over a period of years. Some objects make an annual appearance in our Useful Gifts exhibitions. Old or new — if it was available in 1950 it was eligible for exhibition.*

*As in previous years, the objects were chosen on the basis of simplicity, intelligent use of materials, straightforward design, and pleasing appearance. Names and addresses of manufacturers and of participating stores are listed on the inside back cover.*



*Museum of Modern Art*



*t*he new Eames plastic chair\* is a dream fulfilled — a dream made possible because of recent technological developments in the field of plastics. This chair, now industrially produced, is the embodiment of a concept arrived at by Saarinen and Eames over ten years ago. It is more like the design they conceived for the 1940 Museum of Modern Art competition than the chair that it was possible to produce at that time.

The 1940 design was made of molded plywood — to be partially upholstered, but the complicated compound curves of the chair proved to be more difficult to mold than they had anticipated. Consequently, it was necessary to cover the entire shell with foam rubber and upholstery so that the flaws in the surface of the molded plywood would not detract from the clean lines of the design. With the development of Zenaloy — a plastic resin reinforced with Fiberglass — it has become possible to make this large single piece shell smooth and unembellished as it was originally conceived.

The 1948 chair allows for several shifts in position and therefore remains comfortable for long periods of time. The plastic is practically indestructible — it is warm to the touch, mar proof, and unbelievably light in weight. Its soft lustre gives it a feeling of warmth and translucency that lends an almost magical quality to the play of light through the flowing unbroken surfaces of the shell.

This chair is a tour-de-force in simplicity of construction. It is easy to mass produce — easy to distribute. We have high hopes that as it goes into greater production the price will be made even lower, both to reflect the master engineering that went into it and to justify our faith in a design that makes the most of industrial technology.

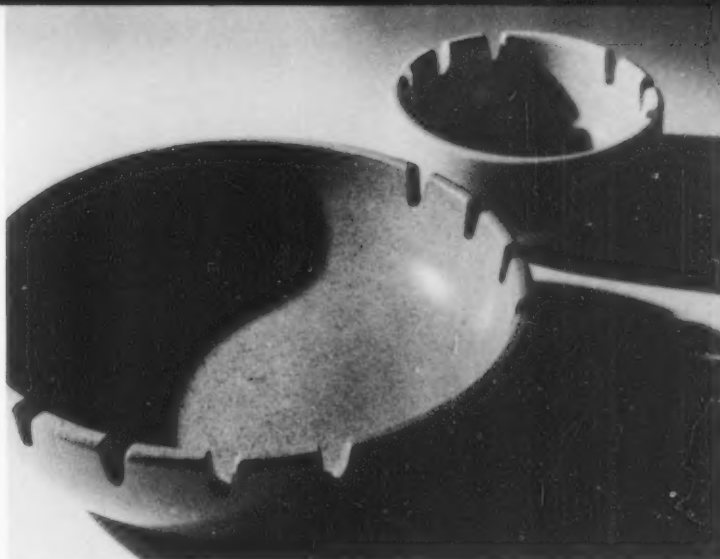
It is available in a variety of colors with four straight legs, rockers, or the little struts pictured. ●

*\*designed for the Museum of Modern Art Competition, 1948 — produced by Herman Miller, 1950.*

*chair  
designed by Charles Eames  
manufactured by Herman Miller  
35.00*

*chair  
designed by Eames and Saarinen  
for Organic Design Competition  
Museum of Modern Art 1940*



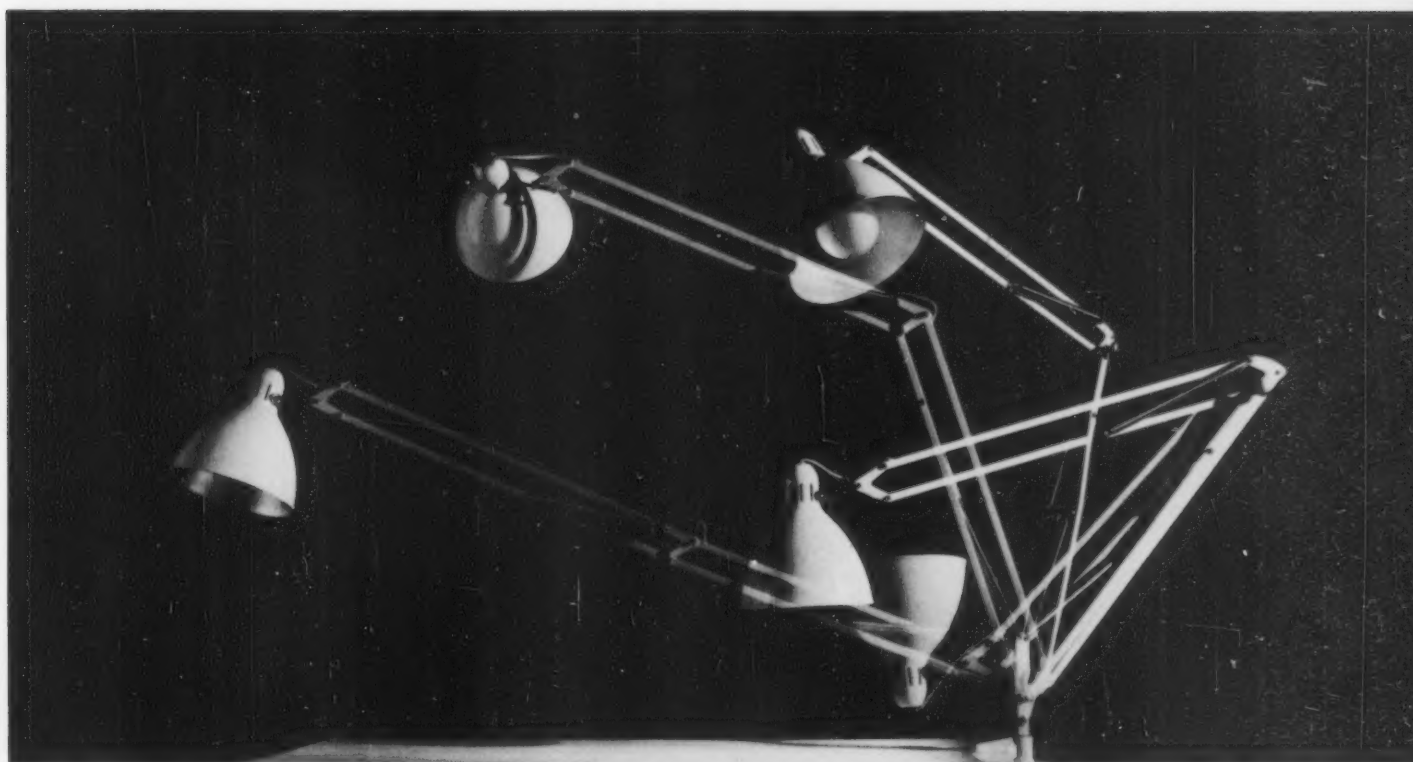


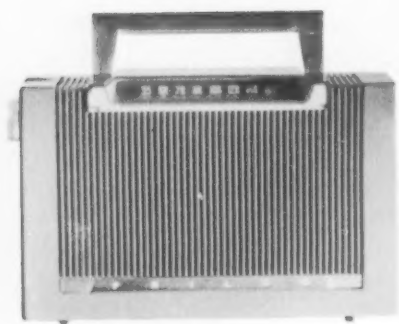
The ash trays designed by Edith and Brian Heath are made of high fired stoneware—  
notches hold cigarettes. They come in subtle  
glazes: sand, yellow, sage, jade, and gunmetal.

This worklight—originally developed in  
Sweden—is the most flexible light we have  
seen. The entire assembly rotates on its base.  
The crane-like structure assumes innumerable  
positions and the head is also adjustable. It  
has a three-way incandescent bulb. This lamp  
takes no work space and can be made perfect-  
ly secure by clamping it to a drawing board,  
desk, table, or wall bracket.

*ash trays*  
*designed by Edith and Brian Heath*  
*manufactured by N.S. Gustin Co.*  
*1.50, 2.00, 4.00*

*1001 working lamp*  
*23.50*





*portable*

*stackable*

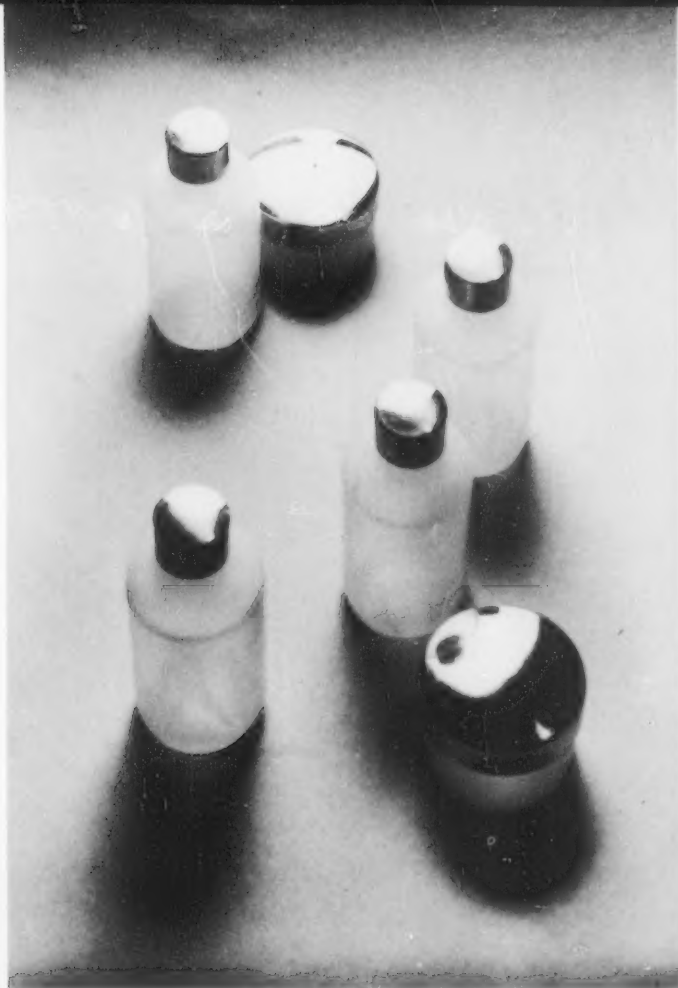
*durable*

*strong*

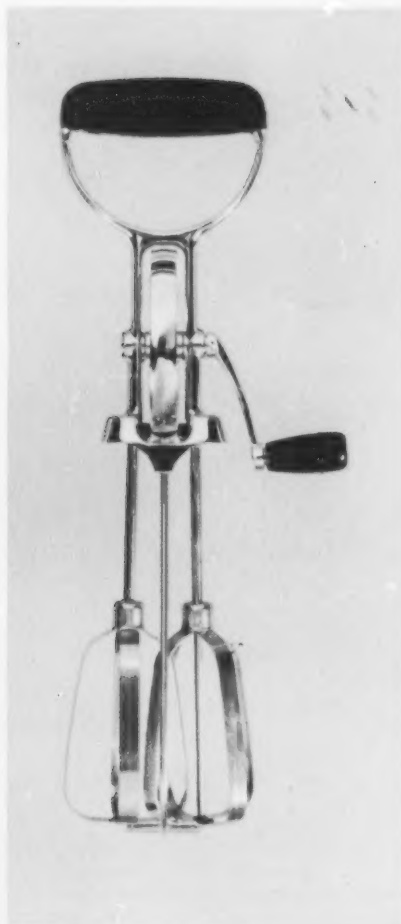
1

2





3



4

### *pleasing in appearance*

A compact portable radio for battery or alternating current. The handle folds down over the case. Available in a variety of colors.

- 1 *Philco portable radio*  
36.50

Aluminum camping pans – four plates, four cups, a coffee pot, a frying pan, and a good sized kettle – all stack neatly in the largest container.

- 2 *Lifetime Aluminum camping pans*  
8.95

Plastic cosmetic containers with metal tops useful for travel and drawer storage.

- 3 *travel set, 6 pieces*  
4.00

An egg beater that is strong enough to be used in heavy batters – made of stainless steel and plastic.

- 4 *Flint egg beater*  
4.95

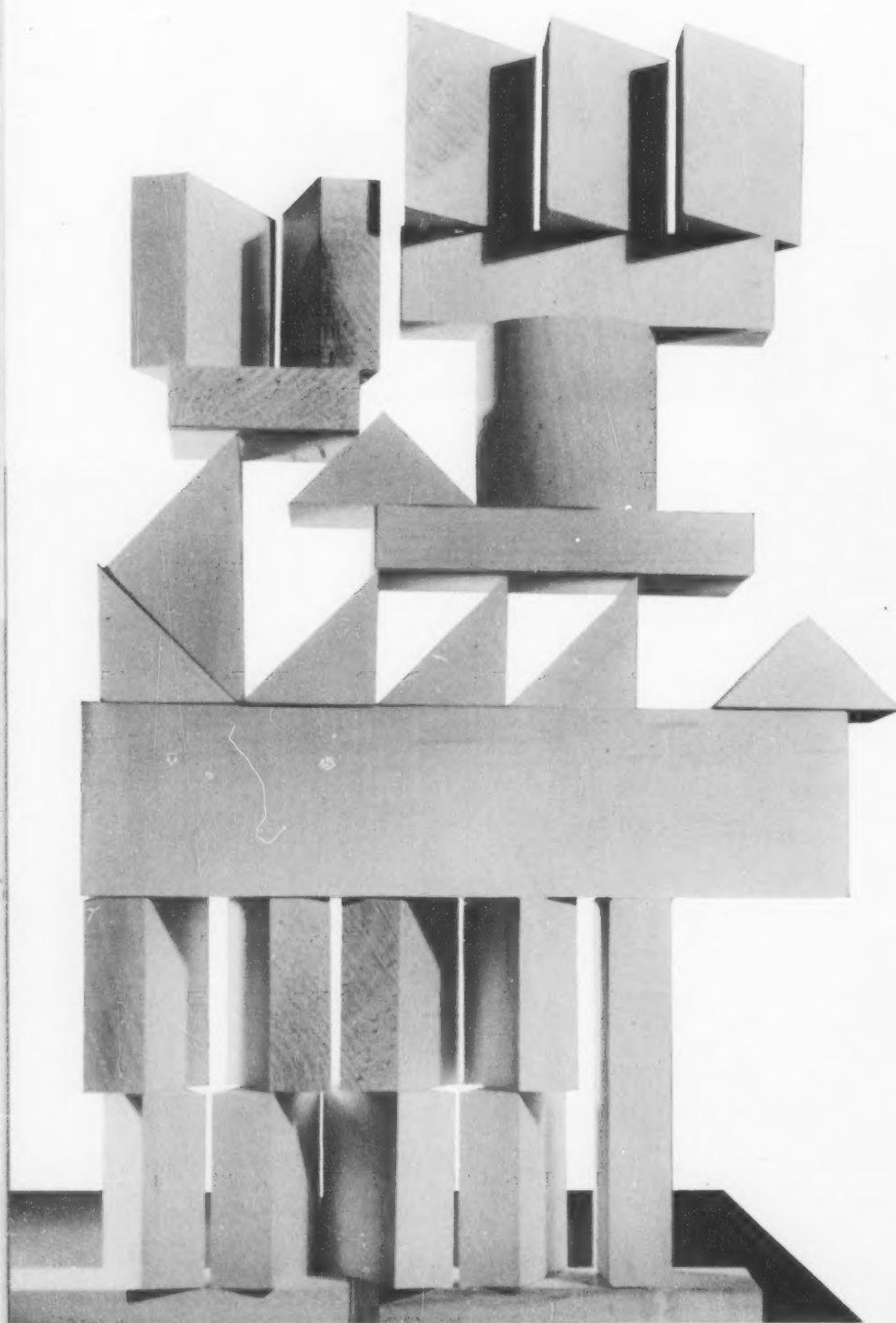
# *toys* to grow with



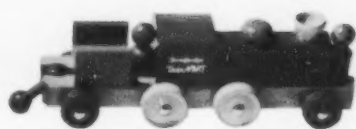
Toys that intrigue the imagination for long periods of time—toys that stimulate ingenuity and inventiveness and satisfy a child's changing creative needs—such toys are not easy to find. A good set of blocks is used by the three year old for one kind of activity and by the seven or ten year old for different and more complex activity. *Bild Blox* are made on a module so that even adults find them satisfying for making three dimensional constructions.

The wooden pull-toys and the *Little Mechanic* are more limited but highly satisfactory for the age group for which they were designed.

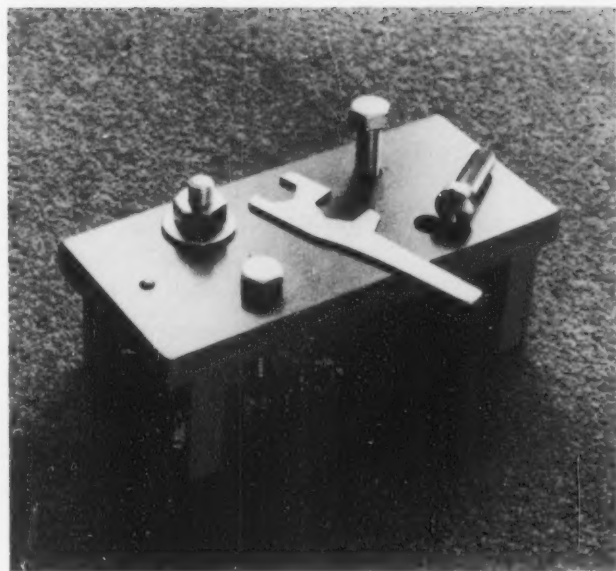
The *Magnet Master*, like *Bild Blox*, changes in function with the growing child and thereby justifies its higher cost. Composed of colored geometric metal shapes together with small permanent magnets, this toy makes a fine expressive medium for children and adults.



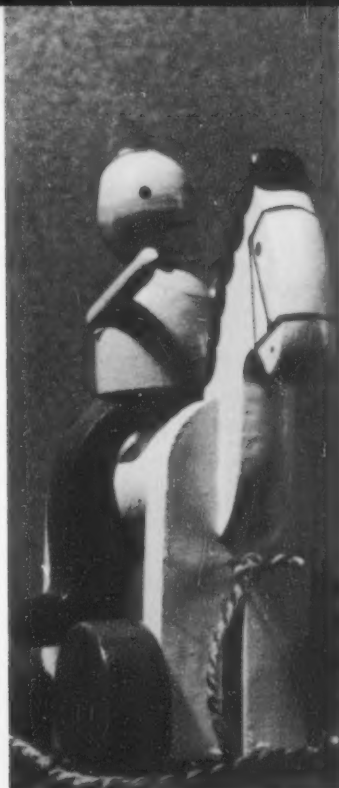




2

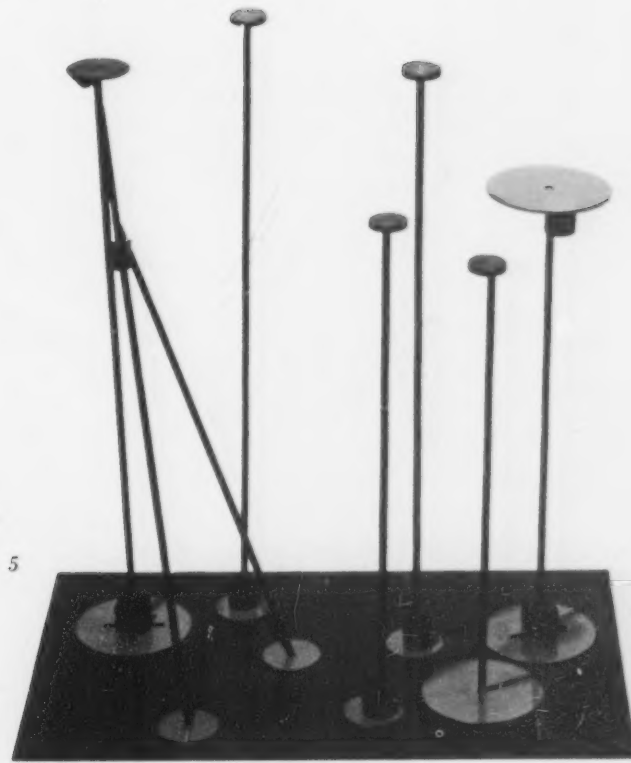


3



4

- 1 *Bild Blox*  
designed by Richard Hammel  
15.00
- 2 *Strombecker Train Apart*  
4.00
- 3 *Milton Bradley Little Mechanic*  
2.00
- 4 *horse and rider pull-toy*  
2.50
- 5 *Magnet Master*  
designed by Arthur Carrara  
manufactured by Carradan Associates  
9.95, 4.95

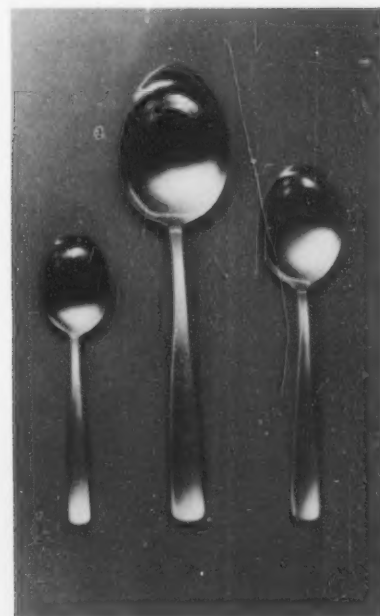
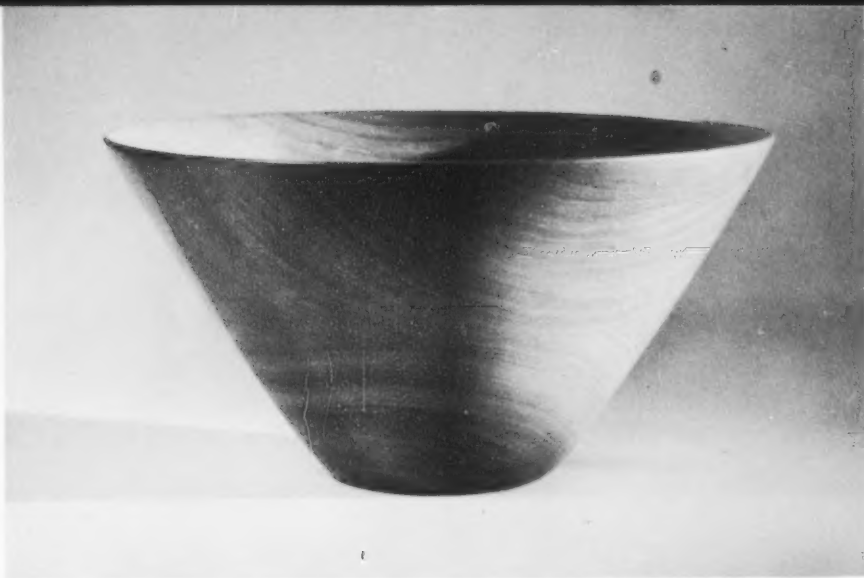


5

*for gracious and casual living*

A wooden bowl can be a very refined and decorative piece, or a sturdy container for food. But whether it is a finely turned Prestini bowl, or a heavy hotel-kitchen salad bowl, it is likely to have a forthright quality that goes with informal gracious entertaining.





left: wooden salad bowl  
7.50

wooden salad set  
1.65

wooden plates  
1.00, 1.50

wooden nut spoons  
.50 each

wooden bowl  
4.50

wooden bowls  
.95 each

wooden spoon server  
7.00

wooden bowl  
1.95

above: wooden bowl  
designed and made by James Prestini

stainless steel flatware  
imported by Gense Import Ltd.  
8.00 for 6 piece place setting



1



2

- 1 *Hormantorp nut dish*  
1.00
- 2 *Leerdam vase*  
6.00





3

There is an abundance of well designed glassware in all price brackets. It is reassuring to find really well designed objects at small prices — they become almost a symbol of the possibilities of mass production. We believe most people have good taste when given a real choice. It is only possible for all to have a choice when good designs are produced and sold at a price that makes mass production feasible.

4

5



3 *Federal 15-ounce old-fashioned glass*  
1.95 a dozen

4 *Tiffin martini mixer*  
4.00

5 *sterling silver stirrer*  
*designed and made by Philip Morton*  
6.00

## WHERE TO BUY

### EASTERN SEABOARD

Bamberger-Harand, 101-11 Queens Boulevard at 67th Road, Forest Hills, New York  
 Berrier-Gnazzo, 206 East 49th Street, New York, New York  
 Contemporary Workshop, 120 Wayland Avenue, Providence, Rhode Island  
 The Glass House Inc, 1642 Connecticut Avenue Northwest, Washington 6, D.C.  
 Lotte-Neagle Design Associates, 1923 Manning Street, Philadelphia 3, Pennsylvania  
 Modern Design Inc, 1625 Connecticut Avenue Northwest, Washington 9, D.C.  
 New Design Inc, 33 East 75th Street, New York 21, New York  
 Pascoe-New York Inc, 10 West 55th Street, New York 19, New York  
 Rapson Inc., 282 Dartmouth Street, Boston, Massachusetts  
 Studio Shop, 557 Boylston Street, Boston, Massachusetts  
 Today's House Inc, 53 East 34th Street, New York, New York  
 Twining & Buck Inc, Salisbury, Connecticut  
 Erich Ursell, 3243 Que Street Northwest, Washington 7, D.C.  
 Woodhall, 55 Center Street, Waterbury, Connecticut



Frank Bros.  
Long Beach, California

### MIDWEST

Ruth Adler A.I.D., 9842 12th Street, Detroit 6, Michigan  
 Garth Andrew Contemporary Interiors, Bath, Ohio  
 Baldwin-Kingrey Inc, 105 East Ohio Street, Chicago 11, Illinois  
 Bernoudy Associates, 7 Forsythe Walk, Clayton 5, Missouri  
 Bordelon Designs, 1455 East 55th Street, Chicago 15, Illinois  
 Boyd-Britton Associates, 59 East Walton Place, Chicago 11, Illinois  
 Contemporary Backgrounds, 521 Clifford Street, Detroit, Michigan  
 Minna Elman, 325 North Euclid Avenue, St. Louis, Missouri  
 Alexander Girard, 16841 Kercheval Place, Grosse Pointe 30, Michigan  
 Interiors, 11 North Main Street, Middletown, Ohio  
 Leonard Linn Inc, 821 Chestnut Court, Winnetka, Illinois  
 Modern Center, 4147-4149 Penn, Kansas City, Missouri  
 Modern Center Inc, 1030 Marquette, Minneapolis, Minnesota  
 The Studio Shop, 6327 Burchfield Avenue, Pittsburgh 17, Pennsylvania  
 Forrest Syvertsen, 773 North Jefferson Street, Milwaukee, Wisconsin  
 Herbert B. Trefzger Company, 2101 Reading Road, Cincinnati 2, Ohio  
 Vanguard, 313 East McDaniel Street, Springfield, Missouri  
 Wallace, 1001 Marquette Avenue, Minneapolis, Minnesota  
 Helen Winnemore, 1367 Glenn Avenue, Columbus, Ohio



Alexander Girard  
Grosse Pointe, Michigan

### SOUTH & SOUTHWEST

Contemporary House, 2506-A McKinney, Dallas, Texas  
 Design for Living Inc, 1103 South Shepherd Drive, Houston, Texas  
 Phil Hall, P. O. Box 1906, 336 South Orange, Sarasota, Florida  
 Lutes Ltd, 807 Euclid Avenue, Lexington, Kentucky  
 New Interiors, University Station, Baton Rouge, Louisiana  
 Orleans Town Associates, 1727 St. Charles Avenue, New Orleans, Louisiana  
 The Pacer, 14 North Avenue Northeast, Atlanta, Georgia  
 Regent's, 915 Alabama Street, Houston 1, Texas  
 R. G. Studios, 410 Brooklyn Avenue, San Antonio, Texas  
 Torrance Associates, 3004 Guadalupe, Austin, Texas  
 Treasure Chest, 1639 Madison Avenue, Memphis, Tennessee

### MOUNTAIN STATES

Bar-2, 132 South 4th Street, Grand Junction Colorado  
 Cabanis Inc, 435 17th Street, Denver 2, Colorado



Robert M. Kasper  
San Francisco, California

### WEST COAST

Eric Bass, 356 North Bedford Drive, Beverly Hills, California  
 Bishop & Kneeder, Lafayette, California  
 California Contempora, 1427 Westwood Boulevard, West Los Angeles, California  
 Cargoes Inc, Sutter at Mason Street, San Francisco 2, California  
 Casa Manana, 260 Calle Principal, Monterey, California  
 Crossroads Inc, 733 Southwest 10th Avenue, Portland 5, Oregon  
 Del-Teet Furniture Company, 127 Broadway North, Seattle, Washington  
 Frank Brothers, 2400 American Avenue, Long Beach 5, California  
 Fraser's, 2479 Telegraph Avenue, Berkeley, California  
 Kasper-Pacific Shop, 533 Sutter Street, San Francisco 2, California  
 Edward Luker Functional Furnishings, 774 Abrego Street, Monterey, California  
 Moderntrend, 1027 C Street, San Rafael, California  
 V. C. Morris, 140 Maiden Lane, San Francisco, California  
 Nanny's Design Gallery, 2035 Fillmore Street, San Francisco, California  
 Armin Richter Interiors, 7661 Girard Avenue, La Jolla, California  
 Carroll Sagar & Associates, 7418 Beverly Boulevard, Los Angeles, California  
 Van Keppel-Green, 9501 Santa Monica Avenue, Beverly Hills, California



John Rogers

In the past we have published the names and addresses of shops that sell well designed modern furniture and accessories. We are now able to present a more comprehensive directory of shops that have come to our attention. The list is not exhaustive, nor do all of the shops offer exclusively well designed products. However, we hope it will aid our readers in becoming acquainted with sources in their locality of the products they read about in *Everyday Art Quarterly*.

On this and the following pages are photographs of the interiors of some of the shops listed

on this page  
**contemporary house**  
 dallas, texas



# WHERE TO BUY

**bamberger-harand**  
forest hills, new york



*Casa Manana*



**CASA MANANA**  
monterey, california

*Dimitri Wolkusky*



**modern design incorporated**  
washington, d.c.



# WHERE TO BUY

**bernoudy associates**  
clayton, missouri

*Morley Baer*

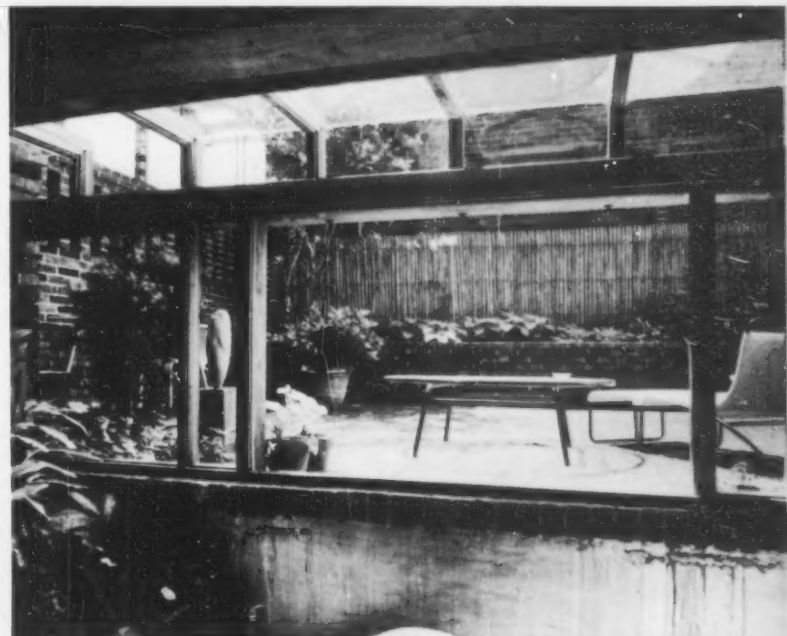


**edward luker functional furnishings**  
monterey, california

*Dick McConnaughey*



**r.g. studios**  
san antonio, texas



*Piaget Studio*

## EVERYDAY ART in the magazines

A&A: ARTS & ARCHITECTURE, 3305 Wilshire Blvd., Los Angeles, Cal.  
 AF: ARCHITECTURAL FORUM, 350 Fifth Avenue, New York, N. Y.  
 AH: AMERICAN HOME, 444 Madison Avenue, New York, N. Y.  
 A&I: ART & INDUSTRY, 381 Fourth Avenue, New York, N. Y.  
 AN: ART NEWS, 136 East 57th Street, New York, N. Y.  
 AR: ARCHITECTURAL RECORD, 119 West 40th Street, New York, N. Y.  
 ARRev: ARCHITECTURAL REVIEW, 913 Queen Anne's Gate, Westminster, S. W. 1, England  
 BH&G: BETTER HOMES & GARDENS, 1714 Locust Street, Des Moines, Ia.  
 CH: CRAFT HORIZONS, 435 Madison Avenue, New York, N. Y.  
 CR: CONSUMERS' RESEARCH, Washington, N. J.  
 CRep: CONSUMER REPORTS, 12 Union Square, New York, N. Y.  
 Des: DESIGN, 131 East State Street, Columbus, Ohio  
 HB: HOUSE BEAUTIFUL, 572 Madison Avenue, New York, N. Y.  
 H&G: HOUSE & GARDEN, 420 Lexington Avenue, New York, N. Y.  
 Int: INTERIORS, 11 East 44th Street, New York, N. Y.  
 Liv: LIVING, 122 East 42nd Street, New York, N. Y.  
 MA: MAGAZINE OF ART, 1262 New Hampshire Ave., NW, Washington, D. C.  
 MP: MODERN PLASTICS, 122 East 42nd Street, New York, N. Y.  
 PA: PROGRESSIVE ARCHITECTURE, 330 West 42nd Street, New York, N. Y.

### houses

Louvered sunshades, stilt foundations, and flowing roof-water combat heat in a Texas house designed by Milton Ryan. *AF November*

A big and oddly shaped roof protects a small, rectangular house against sun and rain. Architects: Cocke, Bowman, and York. *AF November*

Low cost "garden room" adds space to a small house designed by Ned Cole. *AF November*

House-and-office for a doctor combines efficiency with a view. Architect: Paul Beidler. *AF November*

House in California by Paul Laszlo. *AR November*

House in Massachusetts for a middle-aged couple. Designed by Bernard Kessler. *AR November*

A house designed for a narrow lot by Sumner, Spaulding, and John Rex. *A&A November*

A small contemporary house planned, like the one mentioned above, for a long, narrow lot. Designers: H. Douglas Byles and Eugene Weston III. *A&A November*

Case Study House 1950. Architect: Raphael Soriano. *A&A November*  
 Gabled roofs, high ceilings, and big glass walls are used by builder Eichler in a \$13,900 house which has four variations of its basic floor plan. *AF December*

\$10,000 house by A. Quincy Jones, Jr. wins 1950 AIA Honor award. *AF December*

Holiday house in Arizona is built around a pool and two fireplaces. Architects: Schweikher and Elting. *H&G December*

Private retreat in Connecticut is equipped with sliding panels so that it may be open or enclosed. Designed by Harwell Hamilton Harris. *PA December*

A small house on a hilltop. Designed by Richard J. Neutra. *ML December*

Textured mansion on a Mexican hillside by Anshen and Allen. *AF January*

More about the Anshen-Allen house in Mexico. *HB January*

Architect Alexander Smith Cochrane planned his own house on a large lot with carefully organized indoor and outdoor space for his four children. *H&G January*

A town house in San Francisco by Worley K. Wong and John Carden Campbell is planned so that the children have plenty of houseroom of their own. *H&G January*

Frank Lloyd Wright laid out the 50-house community with circular lots in New York State. *H&G February*

Individual ownership is stressed in a 5-house project in New Hampshire. *H&G February*

### interiors, furnishings, accessories

Everyday objects can be fine art. *HB December*

Twelve suggestions for the builder. *AF January*

### foreign

Flats at Milan. Architects: G. Pollini and L. Figini. *ARRev November*

House near Auckland designed by R. H. Toy. *ARRev January*

### equipment

New designs from the factories. *A&I December*

Six television receivers. *CR December*

Reports on 32 portable radios. *CRep Christmas issue*

Ratings on 18 automatic washing machines. *CRep Christmas issue*

Tests on electric food mixers. *CR January*

Tests on plastic dishes. *CRep January*

Tests on 14 interior wall paints. *CRep January*

Report on interior wall materials. *CRep January*

Electric ironers. *CR February*

### articles

Everybody's Doing It: an article on the use and abuse of the "picture" window. *AH November*

What's Wrong With Plastics Design? by J. M. Williams. *A&I November*

The UN Secretariat building - a great debate. *AF November*

Enlarging the market for good design. An article by Paul Reilly. *Des December*

The Shape of Things by Eliot Noyes: Transformations and Transmutations. *CRep Christmas issue*

Man Made America: the December 1950 issue of Architectural Review is devoted to contemporary America. *ARRev December*

Frank Lloyd Wright. *AF January*

Do "best-sellers" make a style trend? *HB January*

Color comes first in decorating. *BH&G January*

Young designers. *ML February*

### miscellaneous

Reasonably priced ceramic accessories for the home by well-known American artists. *AH November*

More play value in toys: a plastic fire engine with removable parts. *MP November*

New art building at Carleton College. Architects: Magney, Tusler, and Setter. *AR November*

Italy at Work: Italian handicrafts which will tour 12 American museums in the next three years. *H&G December*

Wooden toys from 6 countries. *Des December*

The Good Home: a Dutch exhibition devoted to contemporary domestic art and furnishings. *A&I December*

Ideas for making outdoor life more enjoyable by climate-controlling your garden. *HB December*

## ADDRESSES

### designers, manufacturers and importers of products illustrated

Chas. A. Anderson and Company, 1214 Nicollet Avenue, Minneapolis, Minnesota  
Milton Bradley, Springfield, Massachusetts  
R. F. Brodegaard, 225 5th Avenue, New York, New York  
Arthur A. Carrara, 715 Briar Place, Chicago, Illinois  
Carradon Associates, 154 East Erie Street, Chicago, Illinois  
Consolidated Lamp and Glass Company, Coraopolis, Pennsylvania  
Charles Eames, 901 Washington Boulevard, Venice, California  
Ekco Products Company, 1949 North Cicero Avenue, Chicago, Illinois  
Federal Glass Company, Columbus, Ohio  
Gense Importing Ltd., 15 East 26th Street, New York, New York  
N. S. Gustin Company, 712 South Olive Street, Los Angeles, California  
Richard F. Hammel, 1835 Randolph Avenue, St. Paul, Minnesota  
Brian and Edith Heath, 791 Bridgeway Boulevard, Sausalito, California  
Lightolier, 11 East 36th Street, New York, New York  
Alvin Lustig, 16 East 40th Street, New York, New York  
Herman Miller Furniture Company, Zeeland, Michigan  
Philip Morton, 2095 Commonwealth Avenue, St. Paul, Minnesota  
George Nelson, 20 West 55th Street, New York, New York  
Paramount Furniture Manufacturing Company, 8162 Melrose Avenue, Los Angeles, California  
J. Shepherd Parrish Company, 205 West Wacker Drive, Chicago, Illinois  
Philco Corporation, "C" and Tiaago Streets, Philadelphia, Pennsylvania  
James Prestini, 1839 North Orleans, Chicago, Illinois  
Reynolds Metal Company, Box 31, LaGrange, Illinois  
Irving W. Rice and Company, Inc., 15 West 34th Street, New York, New York  
Strombecker Manufacturing Company, Moline, Illinois  
The Three Mountaineers, Asheville, North Carolina  
G. M. Thurnauer Company, Inc., 6 East 20th Street, New York, New York  
Tiffin-United States Glass Company, Tiffin, Ohio  
Tropicraft, 535 Sutter Street, San Francisco, California  
A. Van Dugteren and Sons, 134 5th Avenue, New York, New York

### minneapolis stores represented in the useful gifts exhibition

Alex Anderson and Son, Inc., 912 Nicollet Avenue, Minneapolis, Minnesota  
Chas. A. Anderson and Company, 1214 Nicollet Avenue, Minneapolis, Minnesota  
Boutell Brothers, 5th and Marquette Avenue, Minneapolis, Minnesota  
Children's Shop, 1013 4th Avenue South, Minneapolis, Minnesota  
The Dayton Company, 7th and Nicollet Avenue, Minneapolis, Minnesota  
L. S. Donaldson Company, 601 Nicollet Avenue, Minneapolis, Minnesota  
Dunham-Scott Company, 17 South 3rd Street, Minneapolis, Minnesota  
Farnham Stationery and School Supply Company, 301 South 5th Street, Minneapolis, Minnesota  
Garder Linens, 1112 Nicollet Avenue, Minneapolis, Minnesota  
Hennepin Hardware Company, 909 Hennepin Avenue, Minneapolis, Minnesota  
Holtzermanns, 417 Cedar Avenue, Minneapolis, Minnesota  
S. Jacobs Company, 811 Nicollet Avenue, Minneapolis, Minnesota  
Johnson-Thiss, 525 2nd Avenue South, Minneapolis, Minnesota  
Lillian's, 1420 Washington Avenue South, Minneapolis, Minnesota  
Modern Center, 1030 Marquette Avenue, Minneapolis, Minnesota  
Powers Dry Goods Company, Inc., Nicollet Avenue and 5th, Minneapolis, Minnesota  
Rothschild-Quinlan Company, 901 Nicollet Avenue, Minneapolis, Minnesota  
Thiss, 902 Nicollet Avenue, Minneapolis, Minnesota  
Victor Blind Products, 1936 Lyndale Avenue South, Minneapolis, Minnesota  
Wallace, 1001 Marquette Avenue, Minneapolis, Minnesota  
Warner Hardware Company, 13 South 6th Street, Minneapolis, Minnesota



SEC. 34.66 P.L.&R.  
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Minneapolis, Minn.  
PERMIT NO. 3213

Mrs. L. M. C. Smith  
3460 School House Lane  
Germaniown  
Philadelphia 44, Pa.

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**WALKER ART CENTER, MINNEAPOLIS**





**EVERYDAY ART  
QUARTERLY**

**NOS. 18 - 21**

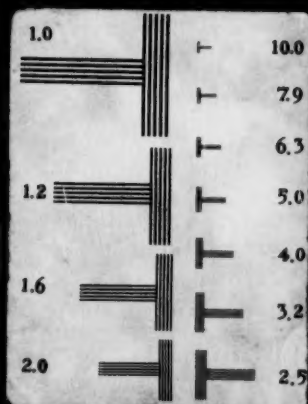
**SPRING 1951**

**WINTER 1952**

**PUB. 536**

**UNIVERSITY MICROFILMS  
ANN ARBOR, MICHIGAN 1952**

# RESOLUTION CHART



100 MILLIMETERS

**INSTRUCTIONS** Resolution is expressed in terms of the lines per millimeter recorded by a particular film under specified conditions. Numerals in chart indicate the number of lines per millimeter in adjacent "T-shaped" groupings.

In microfilming, it is necessary to determine the reduction ratio and multiply the number of lines in the chart by this value to find the number of lines recorded by the film. As an aid in determining the reduction ratio, the line above is 100 millimeters in length. Measuring this line in the film image and dividing the length into 100 gives the reduction ratio. Example: the line is 20 mm. long in the film image, and  $100/20 = 5$ .

Examine "T-shaped" line groupings in the film with microscope, and note the number adjacent to finest lines recorded sharply and distinctly. Multiply this number by the reduction factor to obtain resolving power in lines per millimeter. Example: 7.9 group of lines is clearly recorded while lines in the 10.0 group are not distinctly separated. Reduction ratio is 5, and  $7.9 \times 5 = 39.5$  lines per millimeter recorded satisfactorily.  $10.0 \times 5 = 50$  lines per millimeter which are not recorded satisfactorily. Under the particular conditions, maximum resolution is between 39.5 and 50 lines per millimeter.

Resolution, as measured on the film, is a test of the entire photographic system, including lens, exposure, processing, and other factors. These rarely utilize maximum resolution of the film. Vibrations during exposure, lack of critical focus, and exposures yielding very dense negatives are to be avoided.

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